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U. S. DEPARTMENT OF AGRICULTURE

FOREST SERVICE

GIFFORD PINCHOT, Forester

PUBLICATIONS OF THE FOREST SERVICE

Available for Distribution October 1, 1909

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GENERAL

- * Bulletin 24. A Primer of Forestry, in two parts. Part I—The Forest. (Out of print.) Part II—Practical Forestry. (Price 30 cents.)
- * Bulletin 57. Federal and State Forest Laws. (Price 15 cents.)
- Farmers' Bulletin 173. A Primer of Forestry (paper). A reprint of Bulletin 24, Part I.
- Farmers' Bulletin 358. A Primer of Forestry (paper). A reprint of Bulletin 24, Part II.
- Circular 23. Suggestions to Prospective Forest Students.
- Circular 35. Forest Preservation and National Prosperity.
- Circular 96. Arbor Day.
- Circular 116. The Waning Hardwood Supply.
- Circular 130. Forestry in the Public Schools.
- Circular 140. What Forestry Has Done.
- Circular 159. The Future Use of Land in the United States.
- Circular 166. The Timber Supply of the United States.
- Circular 167. The Status of Forestry in the United States.
- Annual Reports of the Forester for 1901, 1903, 1905, 1907, and 1908.
- Extracts from Yearbooks of the Department of Agriculture:
 - 434. The National Forests and the Lumber Supply (1906).
 - 466. Cutting Timber on the National Forests and Providing for a Future Supply (1907).
 - 470. Progress of Forestry in 1907 (1907).

NATIONAL FORESTS

- Bulletin 54. The Luquillo Forest Reserve, Porto Rico.
- The Use Book: Regulations and Instructions for the Use of the National Forests.
- The Use of the National Forests.

FORESTS AND STREAM FLOW

- * Bulletin 44. The Diminished Flow of the Rock River in Wisconsin and Illinois, and Its Relation to the Surrounding Forests. (Price 10 cents.)
- * Bulletin 49. The Timber of the Edwards Plateau of Texas. (Price 10 cents.)
- Extract 329, from the Yearbook of the Department of Agriculture (1903): The Relation of Forests to Stream Flow.
- Senate Document 91. Report of the Secretary of Agriculture on the Southern Appalachian and White Mountain Watersheds.
- Circular 143. The Relation of the Southern Appalachian Mountains to Inland Water Navigation.
- Circular 144. The Relation of the Southern Appalachian Mountains to the Development of Water Power.

FOREST FIRES

- Circular 26. Forest Fires in the Adirondacks in 1903.
- Circular 79. The Control of Forest Fires at McCloud, California.

FORESTRY AND LUMBERING

- * Bulletin 34. A History of the Lumber Industry in the State of New York. (Price 20 cents.)
- Bulletin 36. The Woodsman's Handbook.
- * Bulletin 61. Terms Used in Forestry and Logging. (Price 5 cents.)
- * Bulletin 71. Rules and Specifications for the Grading of Lumber. (Price 15 cents.)
- * Bulletin 73. Grades and Amount of Lumber Sawed from Yellow Poplar, Yellow Birch, Sugar Maple, and Beech. (Price 10 cents.)
- Circular 25. Forestry and the Lumber Supply.
- Circular 113. Use of Dead Timber in the National Forests.
- Circular 127. Forest Tables—Western Yellow Pine.
- Extract 274. Influence of Forestry upon the Lumber Industry.
- Extract 398, from Yearbook of the Department of Agriculture: Waste in Logging Southern Yellow Pine (1905).

FOREST MANAGEMENT

- * Bulletin 26. Practical Forestry in the Adirondacks. (Price 15 cents.)
- Bulletin 30. A Forest Working Plan for Township 40, Hamilton County, N. Y.
- * Bulletin 32. A Working Plan for Forest Lands near Pine Bluff, Arkansas. (Price 15 cents.)
- * Bulletin 39. Conservative Lumbering at Sewanee, Tennessee. (Price 15 cents.)
- * Bulletin 43. A Working Plan for Forest Lands in Hampton and Beaufort Counties, South Carolina. (Price 15 cents.)
- * Bulletin 56. A Working Plan for Forest Lands in Berkeley County, South Carolina. (Price 10 cents.)
- * Bulletin 60. Report on an Examination of a Forest Tract in Western North Carolina. (Price 5 cents.)
- * Bulletin 68. A Working Plan for Forest Lands in Central Alabama. (Price 10 cents.)
- Circular 118. Management of Second Growth in the Southern Appalachians.
- Circular 131. Practical Forestry on a Spruce Tract in Maine.
- Circular 165. Practical Assistance to Owners of Forest Land and to Tree Planters. Supersedes Circulars 21 and 22.
- Circular 149. Condition of Cut-Over Longleaf Pine Lands in Mississippi.
- Extract 249, from Yearbook of the Department of Agriculture: A Working Plan for Southern Hardwoods and Its Results (1901).

CARE OF THE WOODLOT

- * Bulletin 42. The Woodlot. (Price 15 cents.)
- Circular 138. Suggestions to Woodlot Owners in the Ohio Valley Region.

FOREST STATISTICS

- * Bulletin 77. Forest Products of the United States: 1906. (Price 15 cents.)
- Circular 49. Timber Used in the Mines of the United States in 1905.
- Circular 78. Woods Used for Packing Boxes in New England.
- Census Bulletins:
 - Poles Purchased, 1908.
 - Pulp Wood Consumption, 1908.
 - Slack Cooperage Stock, 1908.
 - Tanbark and Tanning Extracts, 1908.
 - Wood Consumed in Veneer Manufacture, 1907.
 - Production of Tight Cooperage Stock, 1907.
 - Wood Distillation, 1908.
 - Cross-Ties Purchased, 1908.
 - Production of Lumber, Lath, and Shingles, 1907.
- Circular 162. Exports and Imports of Forest Products, 1908.
- Circular 155. Production and Consumption of Basket Willows in the United States for 1906 and 1907.

GRAZING

- * Bulletin 62. Grazing on the Public Lands. (Published also in the second partial report of the Public Lands Commission, Senate Document No. 189, 58th Cong., 3d sess.) (Price 15 cents.)
- * Bulletin 72. Wolves in Relation to Stock, Game, and the National Forest Reserves. (Price 10 cents.)
- Circular 156. Preliminary Report on Grazing Experiments in a Coyote-proof Pasture.
- Circular 158. The Revegetation of Overgrazed Range Areas.
- Circular 160. The Coyote-Proof Pasture Experiment, 1908.
- Circular 169. The Natural Revegetation of Depleted Mountain Grazing Lands.

FOREST PLANTING

- * Bulletin 45. The Planting of White Pine in New England. (Price 20 cents.)
- * Bulletin 65. Advice for Forest Planters in Oklahoma and Adjacent Regions. (Price 5 cents.)
- Bulletin 76. How to Grow and Plant Conifers in the Northeastern States.

- Circular 22. Practical Assistance to Tree Planters. (Fifth Revision.)
Circular 37. Forest Planting in the Sand-Hill Region of Nebraska.
Circular 41. Forest Planting on Coal Lands in Western Pennsylvania.
Circular 45. Forest Planting in Eastern Nebraska.
Circular 81. Forest Planting in Illinois.
Circular 99. Suggestions for Forest Planting on the Semi-Arid Plains.
Circular 100. Suggestions for Forest Planting in the Northeastern and Lake States.
Circular 109. Forest Planting in the North Platte and South Platte Valleys.
Circular 145. Forest Planting on the Northern Prairies.
Circular 154. Native and Planted Timber of Iowa.
Circular 161. Forest Planting in Western Kansas.
Farmers' Bulletin 134. Tree Planting on Rural School Grounds.
Farmers' Bulletin 228. Forest Planting and Farm Management.
Extracts from Yearbooks of the Department of Agriculture:
212. Forest Extension in the Middle West (1900).
376. How to Grow Young Trees for Forest Planting (1905).

FOREST PLANTING LEAFLETS (Circulars 54-77, 82-95, and 106)

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| 54. How to Cultivate and Care for Forest Plantations on the Semi-Arid Plains. | 64. Black Locust. (Revised Edition.) | 83. Russian Mulberry. (Revised Edition.) |
| 55. How to Pack and Ship Young Forest Trees. | 65. Norway Spruce. | 84. White Ash. |
| 56. Bur Oak. | 66. White Elm. | 85. Slippery Elm. |
| 57. Jack Pine. | 67. White Pine. | 86. Boxelder. |
| 58. Red Oak. | 68. Scotch Pine. | 87. White Willow. |
| 59. Eucalypts. (Revised Edition.) | 69. Fence-Post Trees. | 88. Black Walnut. |
| 60. Red Pine. | 70. European Larch. | 89. Tamarack. |
| 61. How to Transplant Forest Trees. | 71. Chestnut. | 90. Osage Orange. |
| 62. Shagbark Hickory. | 72. Western Yellow Pine. | 91. Coffeetree. |
| 63. Basswood. | 73. Red Cedar. | 92. Green Ash. |
| | 74. Honey Locust. | 93. Yellow Poplar. |
| | 75. Hackberry. | 94. Black Cherry. |
| | 76. Silver Maple. | 95. Sugar Maple. |
| | 77. Cottonwood. | 106. White Oak. |
| | 82. Hardy Catalpa. | |

FOREST STUDIES

- * Bulletin 47. Forest Resources of Texas. (Price 15 cents.)
* Bulletin 48. The Forests of the Hawaiian Islands. (Price 10 cents.)
* Bulletin 49. The Timber of the Edwards Plateau of Texas. (Price 10 cents.)
* Bulletin 55. Forest Conditions of Northern New Hampshire. (Price 25 cents.)
* Bulletin 63. The Natural Replacement of White Pine on Old Fields in New England. (Price 10 cents.)
* Bulletin 66. Forest Belts of Western Kansas and Nebraska. (Price 10 cents.)

COMMERCIAL TREE STUDIES

- * Bulletin 13. The Timber Pines of the Southern United States. (Price 35 cents.)
* Bulletin 31. Notes on the Red Cedar. (Price 10 cents.)
* Bulletin 33. The Western Hemlock. (Price 20 cents.)
* Bulletin 35. Eucalypts Cultivated in the United States. (Price \$1.)
* Bulletin 37. The Hardy Catalpa. (Price 25 cents.)
* Bulletin 38. The Redwood. (Price 20 cents.)
* Bulletin 53. Chestnut in Southern Maryland. (Price 10 cents.)
* Bulletin 58. The Red Gum (Revised Edition). (Price 5 cents.)
* Bulletin 64. Loblolly Pine in Eastern Texas. (Price 5 cents.)
* Bulletin 69. Sugar Pine and Western Yellow Pine in California. (Price 10 cents.)
Circular 102. Production of Red Cedar for Pencil Wood.
Circular 105. White Oak in the Southern Appalachians.
Circular 135. Chestnut Oak in the Southern Appalachians.
Circular 150. Douglas Fir.
Circular 163. Paper Birch in the Northeast.
Circular 168. The Commercial Importance of the White Mountain Forests.

FOREST, BOTANICAL, AND DENDROLOGICAL STUDIES

- * Bulletin 17. Check List of the Forest Trees of the United States. (Price 15 cents.)
* Bulletin 28. A Short Account of the Big Trees of California. (Price 15 cents.)
* Bulletin 40. A New Method of Turpentine Orcharding. (Price 20 cents.)
* Bulletin 59. The Maple Sugar Industry. (Price 5 cents.)

Circular 34. Practical Results of the Cup and Gutter System of Turpentine.

Circular 148. Practical Results in Basket Willow Culture.

Farmers' Bulletin 252. Maple Sugar and Sirup.

Farmers' Bulletin 341. The Basket Willow.

PHYSICAL PROPERTIES, SEASONING, AND PRESERVATIVE TREATMENT OF TIMBER

* Bulletin 6. Timber Physics, Part I: Preliminary Report. (Price 10 cents.)

* Bulletin 8. Timber Physics, Part II: Progress Report. (Price 15 cents.)

* Bulletin 10. Timber: An Elementary Discussion of the Characteristics and Properties of Wood. (Price 10 cents.)

* Bulletin 41. Seasoning of Timber. (Price 25 cents.)

* Bulletin 50. Cross-Tie Forms and Rail Fastenings, with Special Reference to Treated Timbers. (Price 15 cents.)

* Bulletin 51. Report on the Condition of Treated Timbers Laid in Texas, February, 1902. (Price 5 cents.)

* Bulletin 70. Effect of Moisture upon the Strength and Stiffness of Wood. (Price 15 cents.)

Bulletin 78. Wood Preservation in the United States.

Circular 12. Southern Pine: Mechanical and Physical Properties.

Circular 15. Summary of Mechanical Tests on Thirty-two Species of American Woods.

Circular 38. Instructions to Engineers of Timber Tests (Revised).

Circular 39. Experiments on the Strength of Treated Timber.

Circular 40. The Utilization of Tupelo.

Circular 46. Holding Force of Railroad Spikes in Wooden Ties.

Circular 47. Strength of Packing Boxes of Various Woods.

Circular 48. Kiln-Drying Hardwood Lumber.

Circular 78. Wood Used for Packing Boxes in New England.

Circular 80. The Fractional Distillation of Coal-Tar Creosote.

Circular 98. Quantity and Character of Creosote in Well-Preserved Timbers.

Circular 101. The Open-Tank Method for the Treatment of Timber.

Circular 103. Seasoning of Telephone and Telegraph Poles.

Circular 104. Brush and Tank Pole Treatments.

Circular 108. Strength of Wood as Influenced by Moisture.

Circular 111. Prolonging the Life of Mine Timbers.

Circular 112. The Analysis and Grading of Creosotes.

Circular 114. Wood Distillation.

Circular 115. Second Progress Report on the Strength of Structural Timber.

Circular 117. The Preservative Treatment of Fence Posts.

Circular 128. Preservation of Piling against Marine Wood Borers.

Circular 132. The Seasoning and Preservative Treatment of Hemlock and Tamarack Cross-Ties.

Circular 134. The Estimation of Moisture in Creosoted Wood.

Circular 136. The Seasoning and Preservative Treatment of Arborvitæ Poles.

Circular 139. A Primer of Wood Preservation.

Circular 141. Wood Paving in the United States.

Circular 142. Tests of Vehicle and Implement Woods.

Circular 146. Experiments with Railway Cross-Ties.

Circular 147. Progress in Chestnut Pole Preservation.

Circular 151. The Preservative Treatment of Loblolly Pine Cross-Arms.

Circular 152. The Analysis of Turpentine by Fractional Distillation with Steam.

Circular 164. The Properties and Uses of Southern Pines.

Extract 395, from Yearbook of the Department of Agriculture: Prolonging the Life of Telephone Poles (1905).

FOREST MAPS

Wall map of the United States (5×7 ft.) showing National Forests and related projects and data (July 1, 1908). (Price 25 cents.)

* Wall map of the United States (5×7 ft.) showing distribution of forest and woodland (March 17, 1908). (Price 50 cents.)

Instructions for making Forest Surveys and maps.

Table showing locations and areas of the National Forests.

Index map of National Forests, 21×33 (July 1, 1909).